

What is claimed is:

- [Claim 1] 1. A multi-language system, comprising:
an interface module utilized for generating a user interface;
a language information module comprising at least one identification string
and at least one language information set, each identification string
corresponding to a language information set, and each language information
set representing a natural language; and
a font database containing at least one font set, each font set corresponding to
a language information set and containing at least one font file for
representing the natural language corresponding to the language information
set;
wherein according to the language information set stored in the language
information module, the interface module is utilized for reading the font set
corresponding to the natural language which corresponds to the language
information set to select and display the font file(s) on the user interface.
- [Claim 2] 2. The multi-language system of claim 1, wherein the
identification string is a supplementary service control string (SSC string).
- [Claim 3] 3. The multi-language system of claim 1 being applied in a
mobile unit.
- [Claim 4] 4. The multi-language system of claim 3, wherein the mobile
unit conforms to the global system for mobile communications (GSM)
specification.
- [Claim 5] 5. The multi-language system of claim 1, wherein the language
information module is a configuration file.

[Claim 6] 6. The multi-language system of claim 1, wherein when inserting or deleting a specific natural language into or from the multi-language system, an identification string and a language information set corresponding to the specific natural language are inserted into or deleted from the language information module, and the font set(s) corresponding to the specific natural language is (are) inserted into or deleted from the font database.

[Claim 7] 7. The multi-language system of claim 1, wherein the interface module is stored in a first storage device, and the language information module and the font database are stored in a second storage device.

[Claim 8] 8. The multi-language system of claim 1, wherein the interface module is stored in a first storage device, the language information module is stored in a second storage device, and the font database is stored in a third storage device.

[Claim 9] 9. The multi-language system of claim 1, wherein the user interface is a Man-Machine Interface (MMI).

[Claim 10] 10. A method for displaying multi languages on a user interface, comprising:

executing an interface module for generating a user interface;
reading a language information module, wherein the language information module comprises at least one identification string and at least one language information set, each identification string corresponding to a language information set, and each language information set representing a natural language;
finding a font file of a character stored in a font set corresponding to a specific natural language in the font database according to a language information set

stored in the language information module, wherein the language information set corresponds to the specific natural language; and displaying the font file on the user interface.

[Claim 11] 11. The method of claim 10, wherein the identification string is a supplementary service control string (SSC string).

[Claim 12] 12. The method of claim 10 being applied in a mobile unit.

[Claim 13] 13. The method of claim 12, wherein the mobile unit conforms to the global system for mobile communications (GSM) specification.

[Claim 14] 14. The method of claim 10, wherein the language information module is a configuration file.

[Claim 15] 15. The method of claim 10, wherein the interface module is stored in a first storage device, and the language information module and the font database are stored in a second storage device.

[Claim 16] 16. The method of claim 10, wherein the interface module is stored in a first storage device, the language information module is stored in a second storage device, and the font database is stored in a third storage device.

[Claim 17] 17. The method of claim 10, wherein the user interface is a Man-Machine Interface (MMI).

[Claim 18] 18. A method for inserting a specific natural language into the multi-language system, wherein the multi-language system comprises:

a language information module comprising at least one identification string and at least one language information set, each identification string corresponding to a language information set, and each language information set representing a natural language; and
a font database containing at least one font set, each font set corresponding to a language information set;
the method comprises:
inserting an identification string and a language information set corresponding to the specific natural language into the language information module; and
inserting the font set(s) corresponding to the specific natural language into the font database.

[Claim 19] 19. The method of claim 18, wherein the identification string is a supplementary service control string (SSC string).

[Claim 20] 20. The method of claim 18, wherein the language information module is a configuration file.

[Claim 21] 21. A method for deleting a specific natural language from the multi-language system, wherein the multi-language system comprises:
a language information module comprising at least one identification string and at least one language information set, each identification string corresponding to a language information set, and each language information set representing a natural language; and
a font database containing at least one font set, each font set corresponding to a language information set;
the method comprises:
deleting an identification string and a language information set corresponding to the specific natural language from the language information module; and
deleting the font set(s) corresponding to the specific natural language from the font database.

[Claim 22] 22. The method of claim 21, wherein the identification string is a supplementary service control string (SSC string).

[Claim 23] 23. The method of claim 21, wherein the language information module is a configuration file.